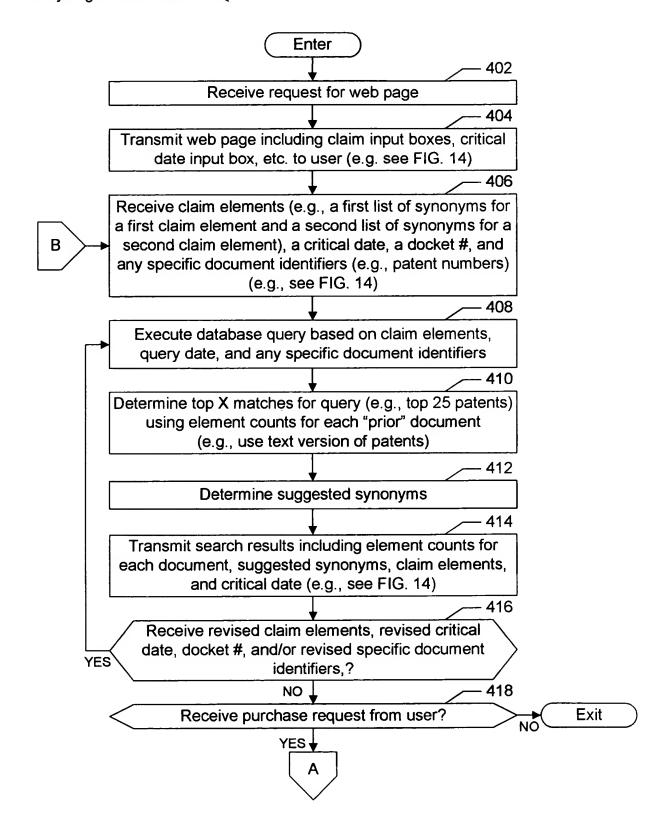
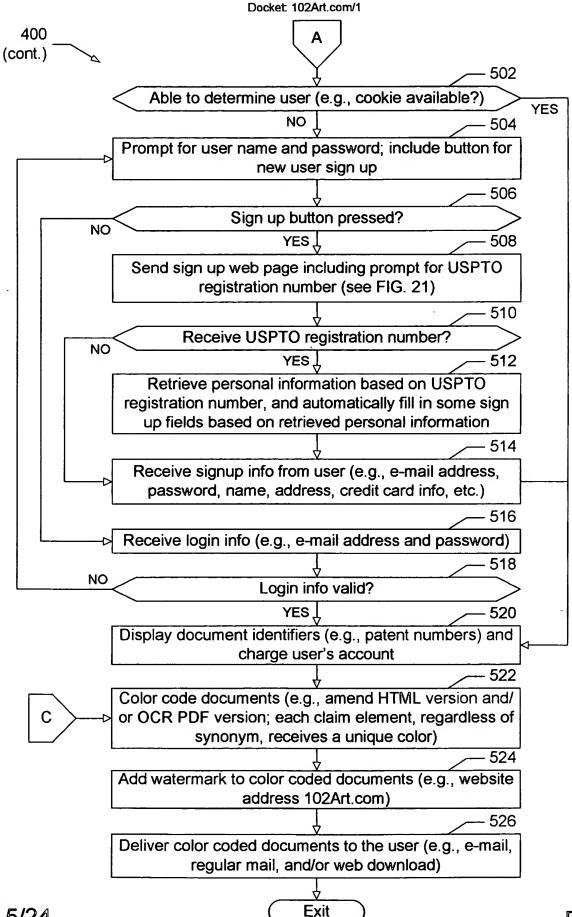


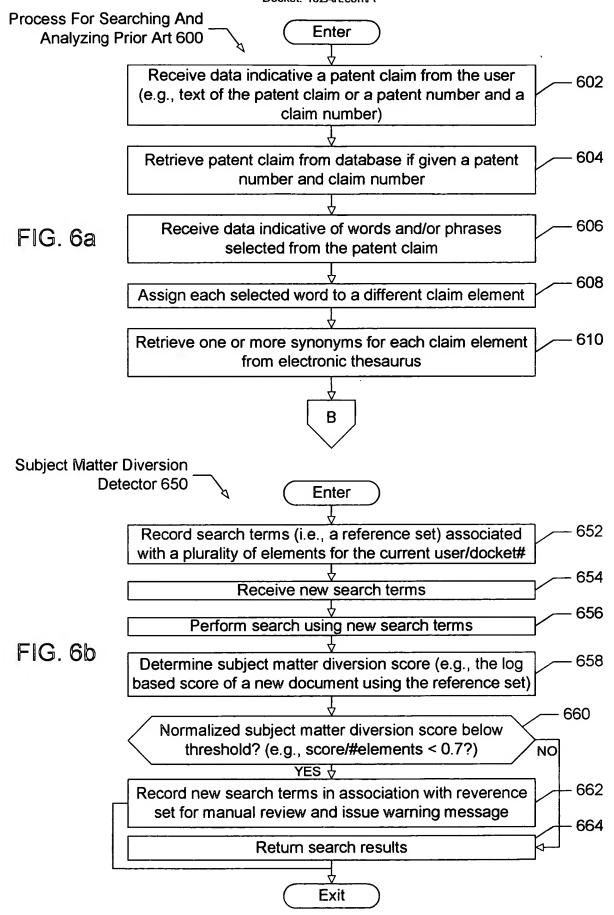
Process For Searching And Analyzing Prior Art 400



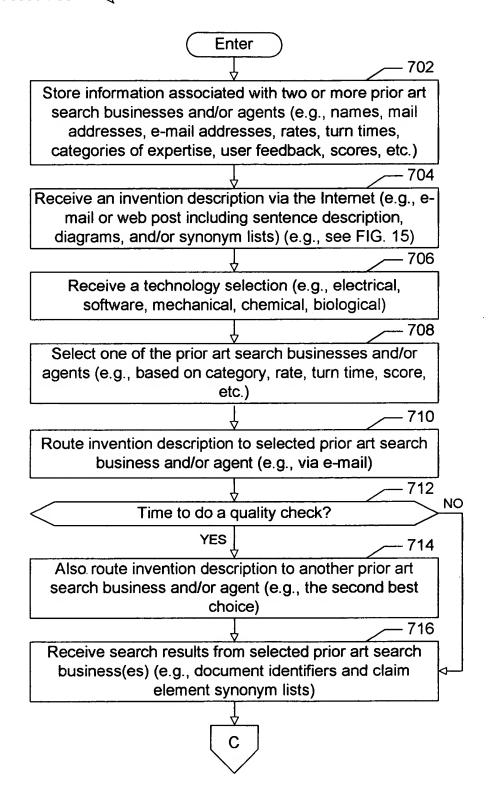
Methods and Apparatus to Search and Analyze Prior Art Inventor. Goedken



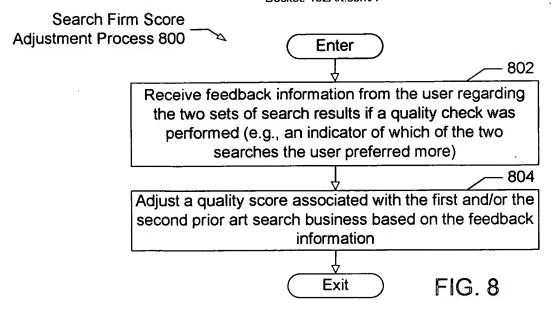
Methods and Apparatus to Search and Analyze Prior Art Inventor. Goedken Docket: 102Art.com/1

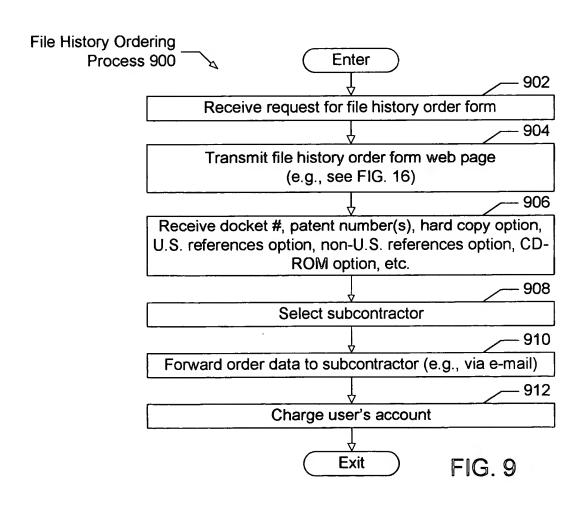


Search Firm Selection Process 700

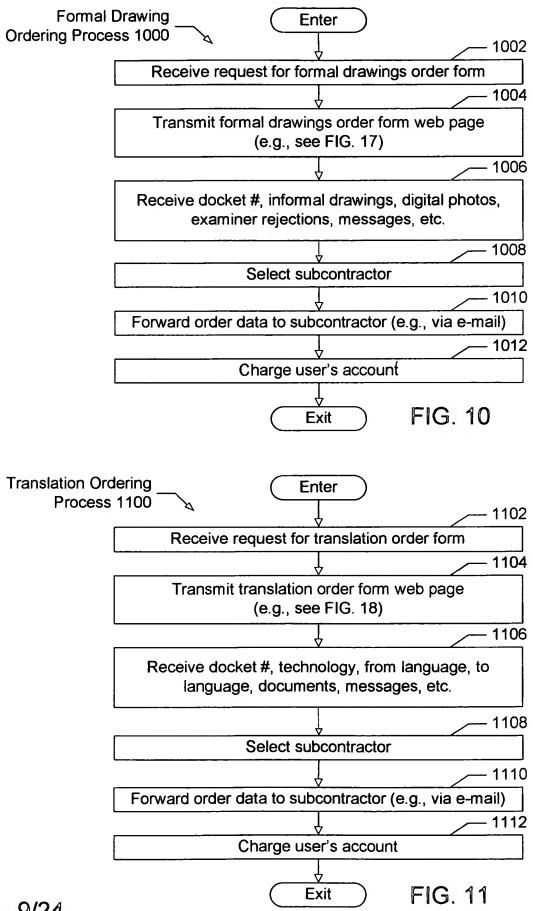


Methods and Apparatus to Search and Analyze Prior Art Inventor: Goedken Docket: 102Art.com/1

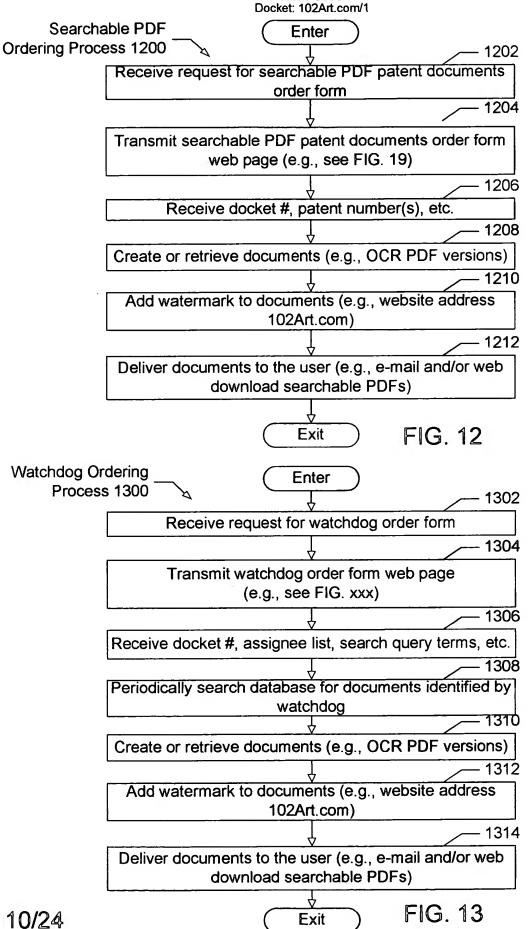


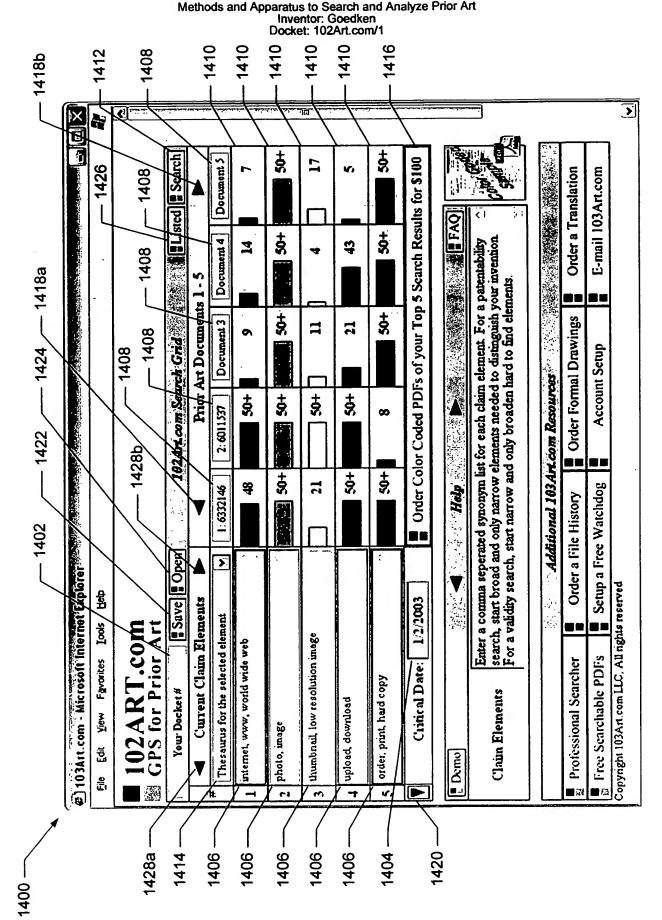


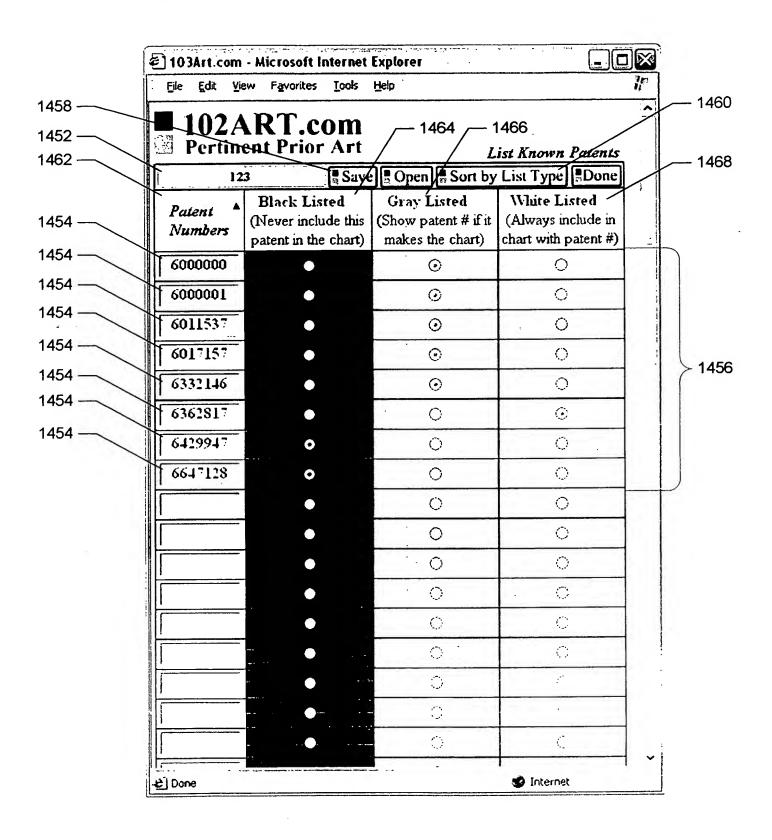
Methods and Apparatus to Search and Analyze Prior Art Inventor: Goedken Docket: 102Art.com/1



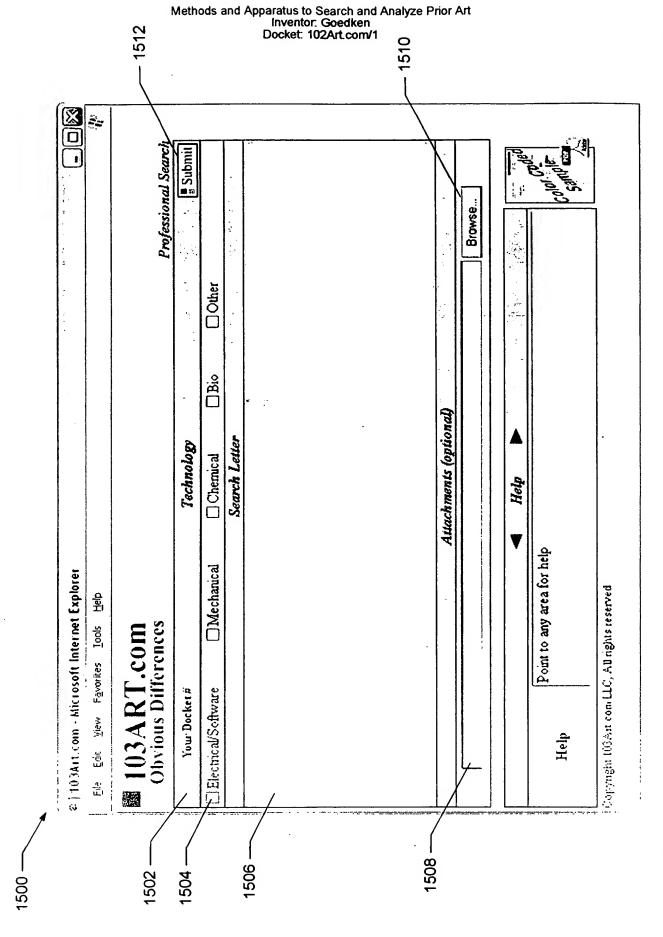
Methods and Apparatus to Search and Analyze Prior Art Inventor: Goedken

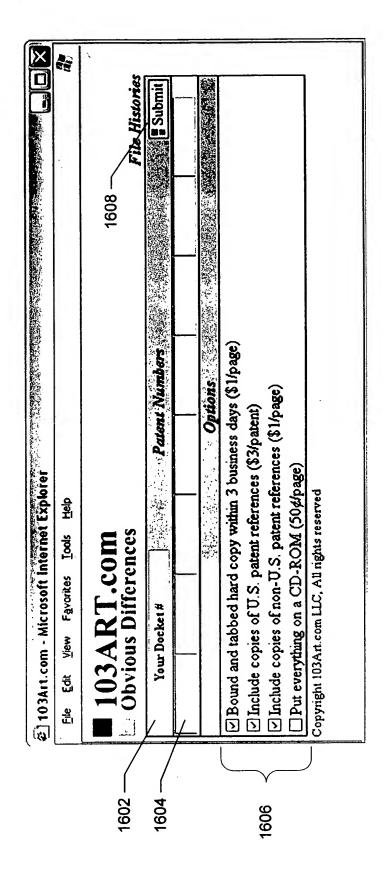




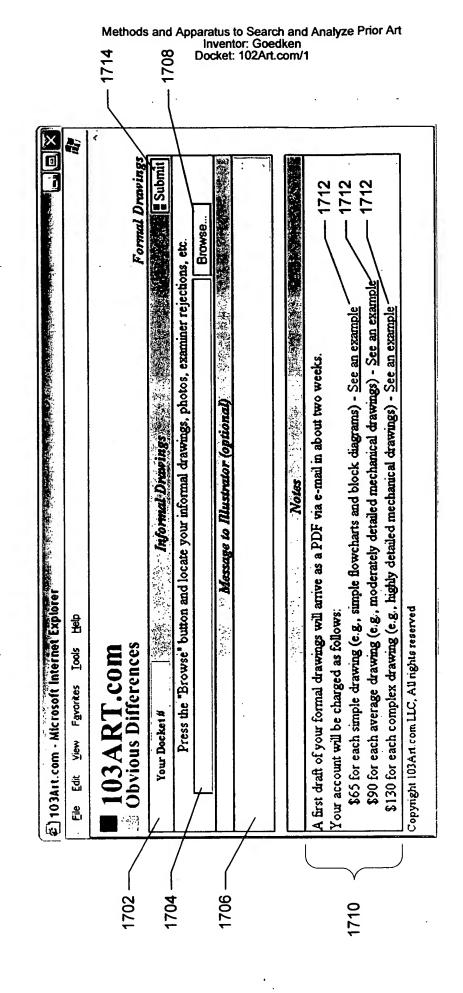


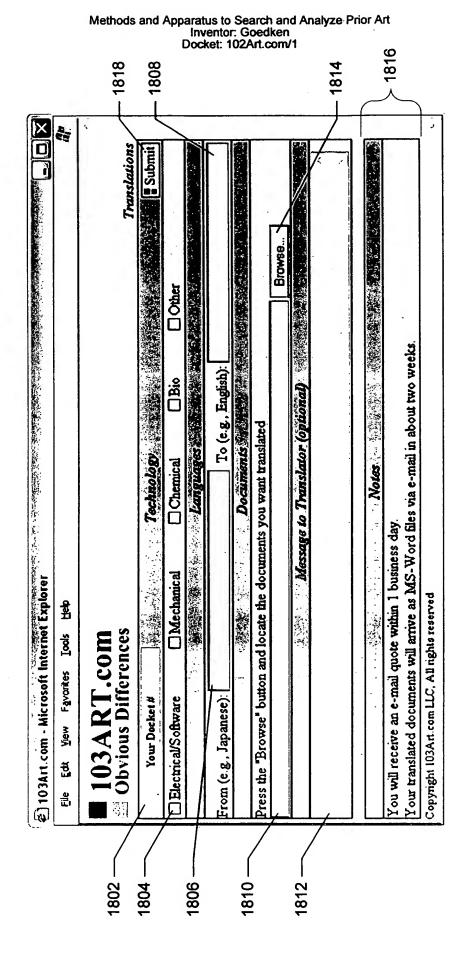
12/24 FIG. 14b

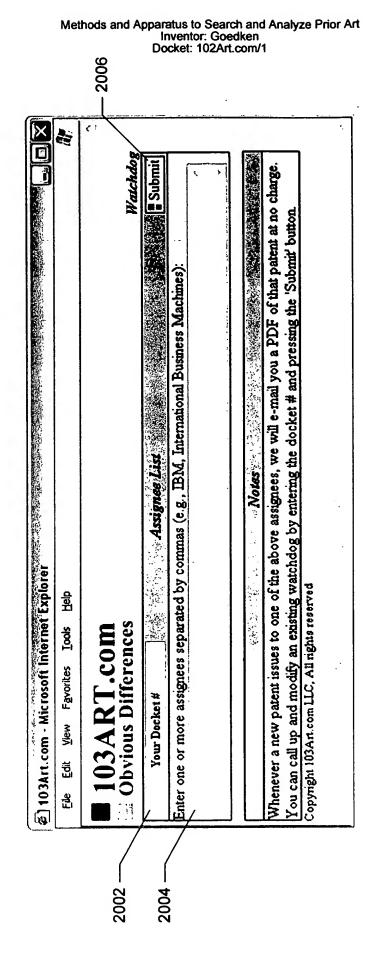




1600 --

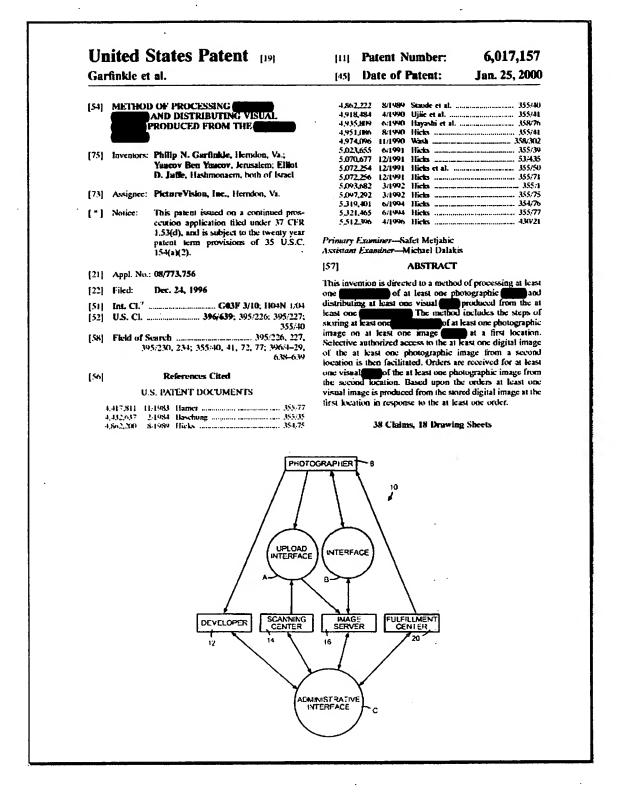




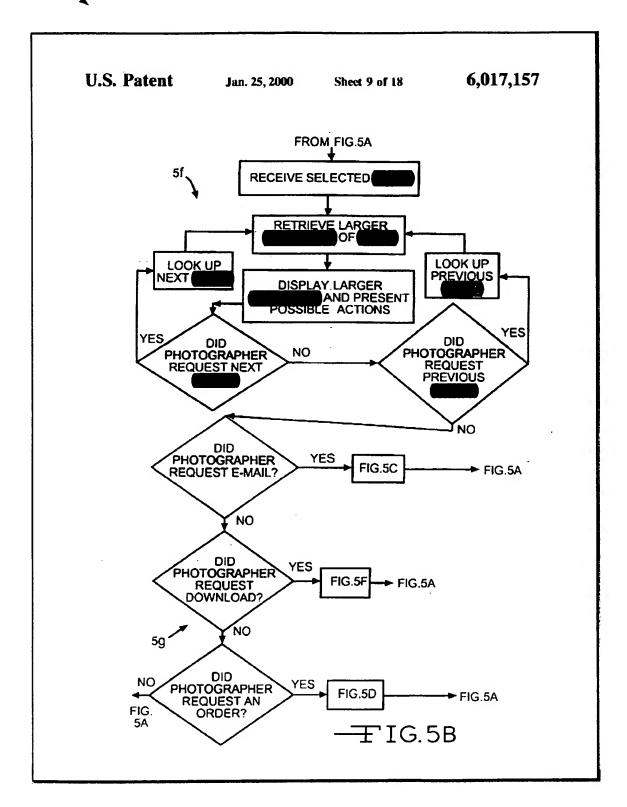


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In a preferred embodiment, an access code is associated with each roll of film 9b, and the large accessed at the large accessed at the large accessed at the large large accessed at the large large accessing an large large large accessing an large l

In a most preferred embodiment, the photographer 8 accesses IITML pages from a WWW browser using either the Secure HyperText Transport Protocol (HTTPS) or HyperText Transport Protocol (HTTPS) to access a Netscape Enterprise Transport Protocol (HTTP) to access a Netscape Enterprise Configured with an Interprise Configured With an Interprise Configured With an Interprise Science of the full in the roll in the form of an online proof sheet. The interface B allows the photographer Science Transport Protocol (HTTP) to access a Netscape Interprise Transport Protocol (HTTP) to access a Netscape Interprise Configured With an Interprise Configured With an Interprise B allows the photographer and photographic Or enlargements of photographic Configured Protocol (HTTP) to access a Netscape Interprise Protocol (HTTP) to access and access and access and access and access acces

It will be appreciated that when downloading or e-mailing as the the of the first preferably reduced to a screen size of 600x400 pixels or 712x512 pixels. These sizes are more appropriate for screen display of the first part of the data over a network.

In a preferred embodiment, the nected to the to allow the processed to be accessed from remote locations (second location) different from and independent of where the film is developed (first location). The for a roll of film are 43 maintained at the state of the local fixed period of time (such as 30 days), after which they are marked as deleted and, after a short grace period (such as 5 days), removed to free up disk space for other from the The grace period allows for fulfillment of orders which 45 occur after a roll is marked deleted to be handled from the 16, since the roll is still on the (avoiding the need to reference a backup copy of the roll). In this embodiment, multiple RAID partitions are preferably used so that the 16 can continue to process new rolls of film when one partition is unavailable due to service 16 can continue to process new 50 or backup procedures as well known in the art. While a number of solutions exist for storing the tiks for a particular roll in the RAID partitions, the process described below satisfies several important performance 55 considerations, and is currently preferred. This process selects a directory on the 16 for storage of the with the related roll information (e.g., access code, name, etc.) in a database (with the access code serving as the a primary index). The process for choosing a directory is as

a) A directory called RAID is used, under which a directory exists for each file system partition (such asaux1, aux2, etc. up to 365 maximum partitions). Partitions are large enough to stare a large number of rolls (generally 12-15 Megabytes per roll) but small enough to be backed up to a single tape (with 8 mm. tapes, roughly 7 Gigabytes per partition). (see e.g., 3g and 3k, FIG. 3A). A partition directory is chosen by taking the number of partitions modulo the day of the year.

- b) The preferred Axil machine runs the Solaris operating system (a version of UNIX) and can be configured to run multiple (by responding to multiple IP addresses, such as hotonet.com, wolf.photonet.com, etc.). To allow for this situation, each partition directory contains a subdirectory for each such site (for example, www, wolf, etc.). (see e.g., e.j., FIG. 3A). This allows multiple sites to share a single RAID directory tree.
- c) If the site directory has a file called "FULL" in it, then the partition is considered unavailable and is not used, (see e.g., 3t, FIG. 3A). If a FULL directory is encountered, then the next numeric RAID partition is used instead (wrapping back to the first directory if necessary), (see e.g., 3o, FIG. 3A). If all directories are full, then the roll processing fails and the roll is not streed in the database or available to the photographer. (see e.g., 3n, FIG. 3A).
- d) Under the site directory are a number of directories (such as "1," "2," etc. up to 365 maximum directories). This number must be relatively prime with respect to the number of RAID partitions available. (That is, the divisors of one number cannot be divisors of the other. The easiest way to accomplish this is if both numbers are prime.) (see e.g., 3/, FIG. 3A). The takes the number of directories modulo the day of the year to determine which numeric directory to use. Determining directories based on the day of the year ensures that rolls of film processed on the same day will generally appear in the same directory. (see e.g., 3/m FIG. 3B).
- e) Each numeric directory can store up to 255 rolls of film, since the UNIX file system is most efficient with no more than 255 files in a directory, (see e.g., ep, FIG. 3B). If a numeric directory is full, the next numeric directory is used (wrapping back to "1" if necessary). If all numeric directories are full, the next numeric partition directory is used, as in step C above. (see e.g., 3n, FIG. 3B).
- A directory with a name identical to the roll's access code is created under the calculated numeric directory. (see e.g., 3q, FIG, 3B). Each thin the roll is stored as a separate file in this directory. (see e.g., 3r, FIG, 3B).

Note that the foregoing procedure is only used to determine the location of the state of the sta

As previously mentioned, the preferred HTML interface allows the photographer to view of the digital. The preferred states are 16-bit true color with the professor of 50c34 pixels, 64x43 pixels, 9hx64 pixels, and 160b(107 pixels. The digital can be generated when the tilm is originally processed (the preferred method) or on-the-thy when the case of the preferred method or on-the-thy when the cither case, the

are eached at the purpose, (see e.g., er. FIG. 3B). Subsequent access to the may be obtained by retrieving

